

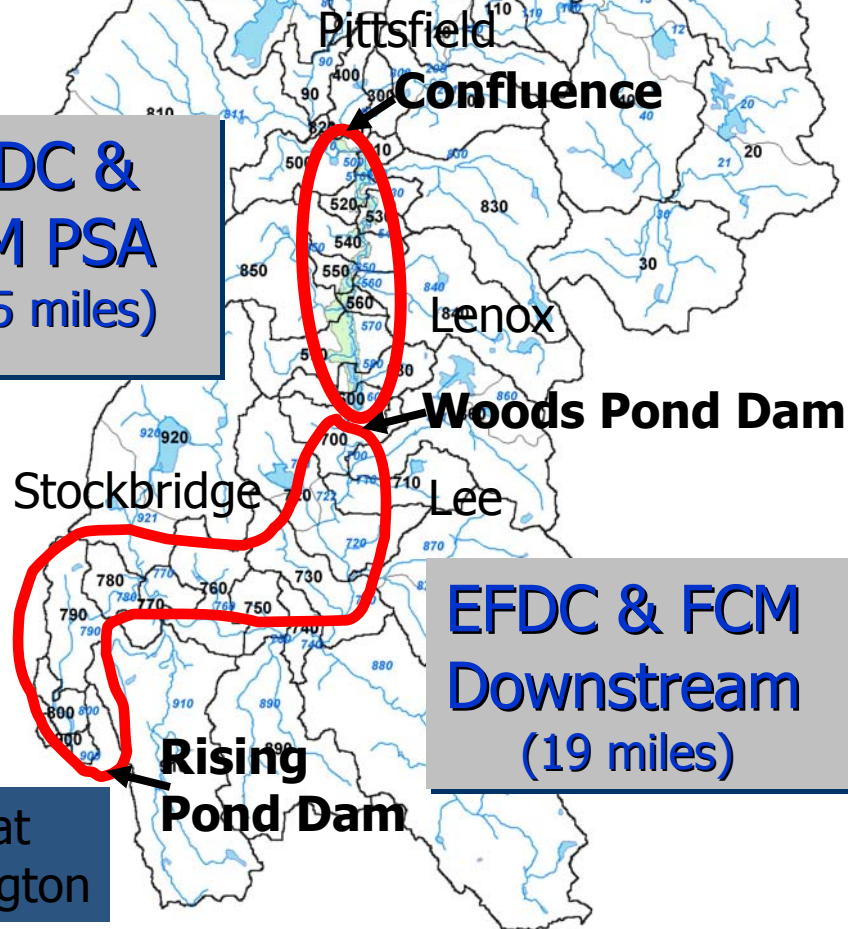
A scenic view of a river flowing through a dense forest. The water is dark and reflects the surrounding trees. The banks are covered in lush green and yellow foliage, indicating autumn. The text "Downstream Modeling" is overlaid in the center of the image.

Downstream Modeling

MODEL VALIDATION DOMAIN

HSPF
Watershed

EFDC &
FCM PSA
(10.5 miles)



EFDC & FCM
Downstream
(19 miles)

Great
Barrington

Downstream Modeling

- 19 Miles in Length
- 4938 Grid Cells
- Time period 1990 - 2004

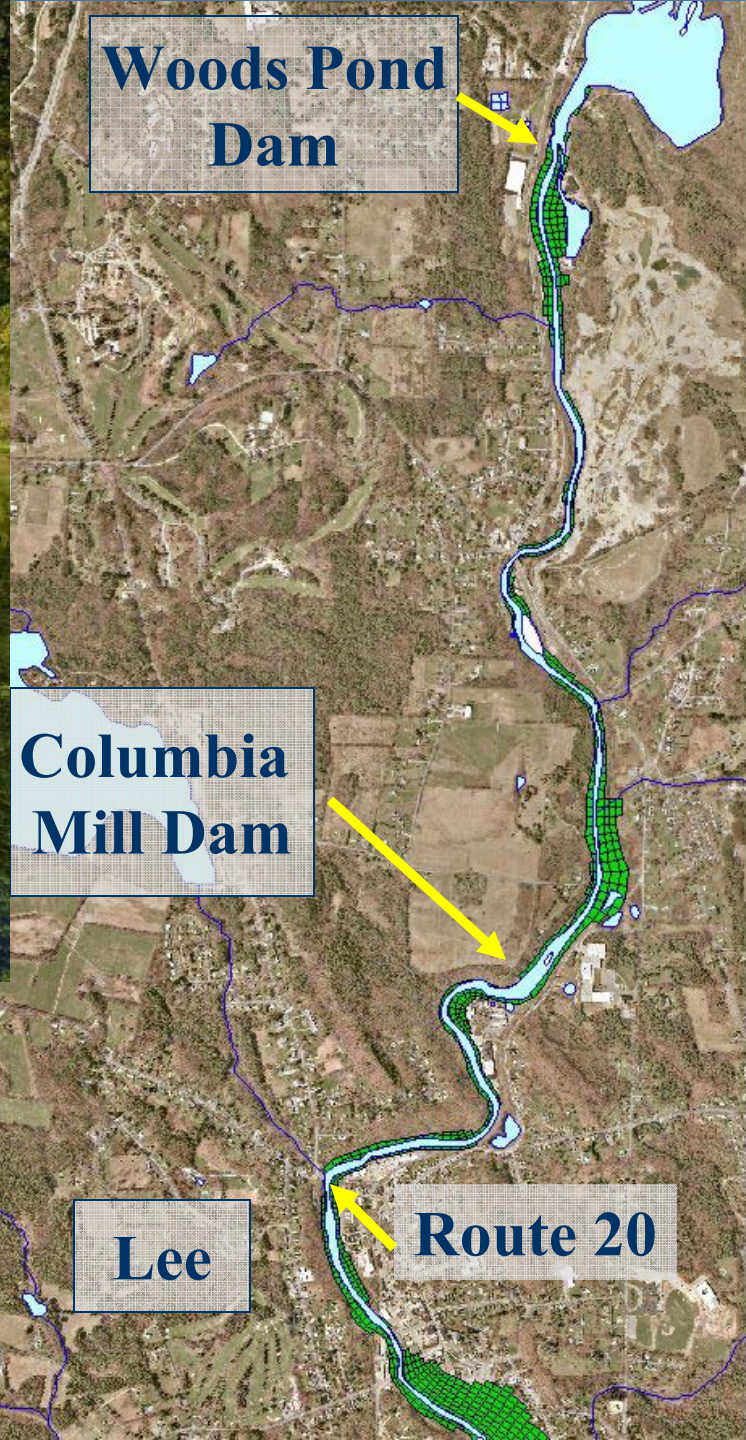


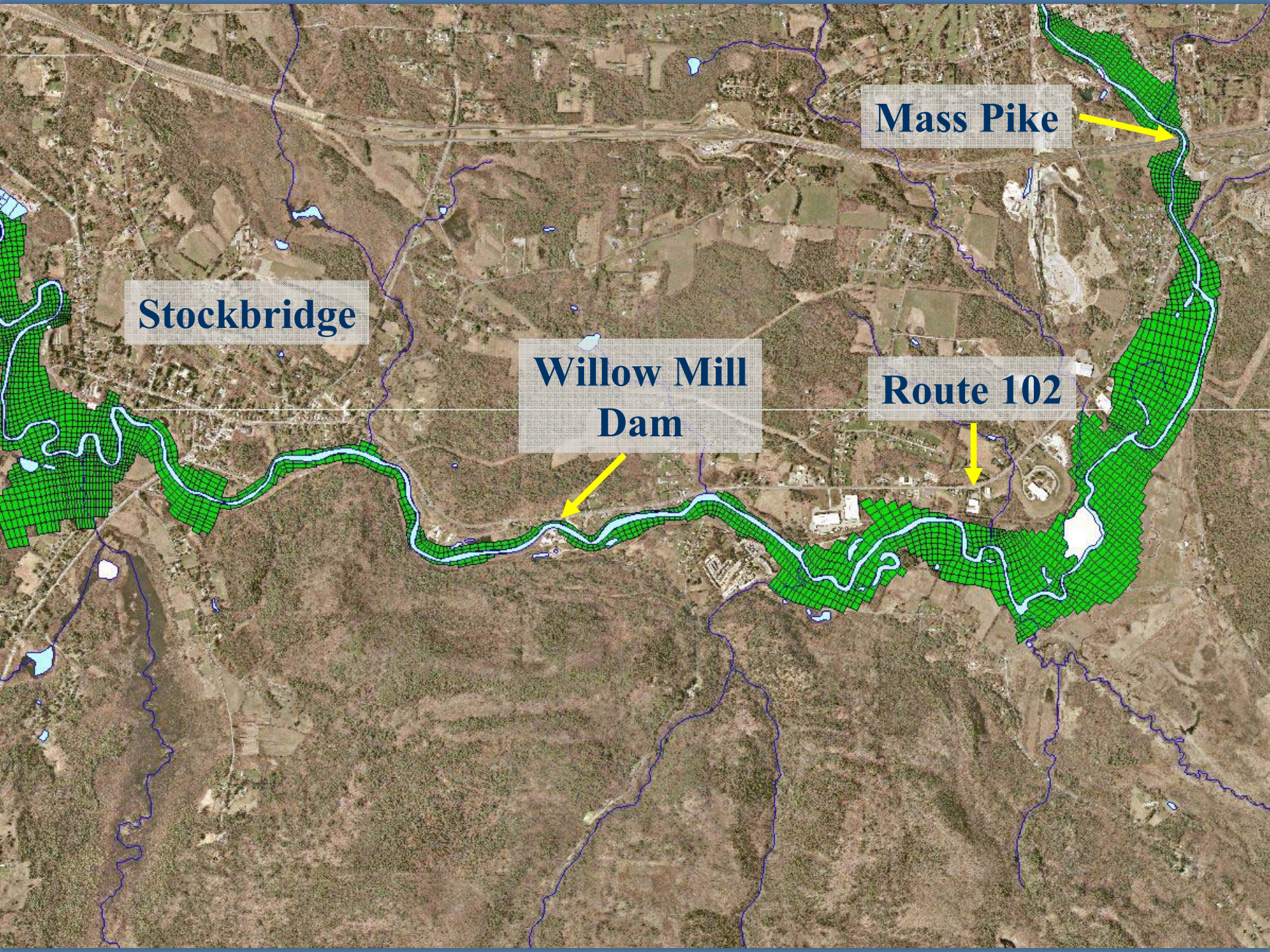
**Woods Pond
Dam**

**Columbia
Mill Dam**

Lee

Route 20



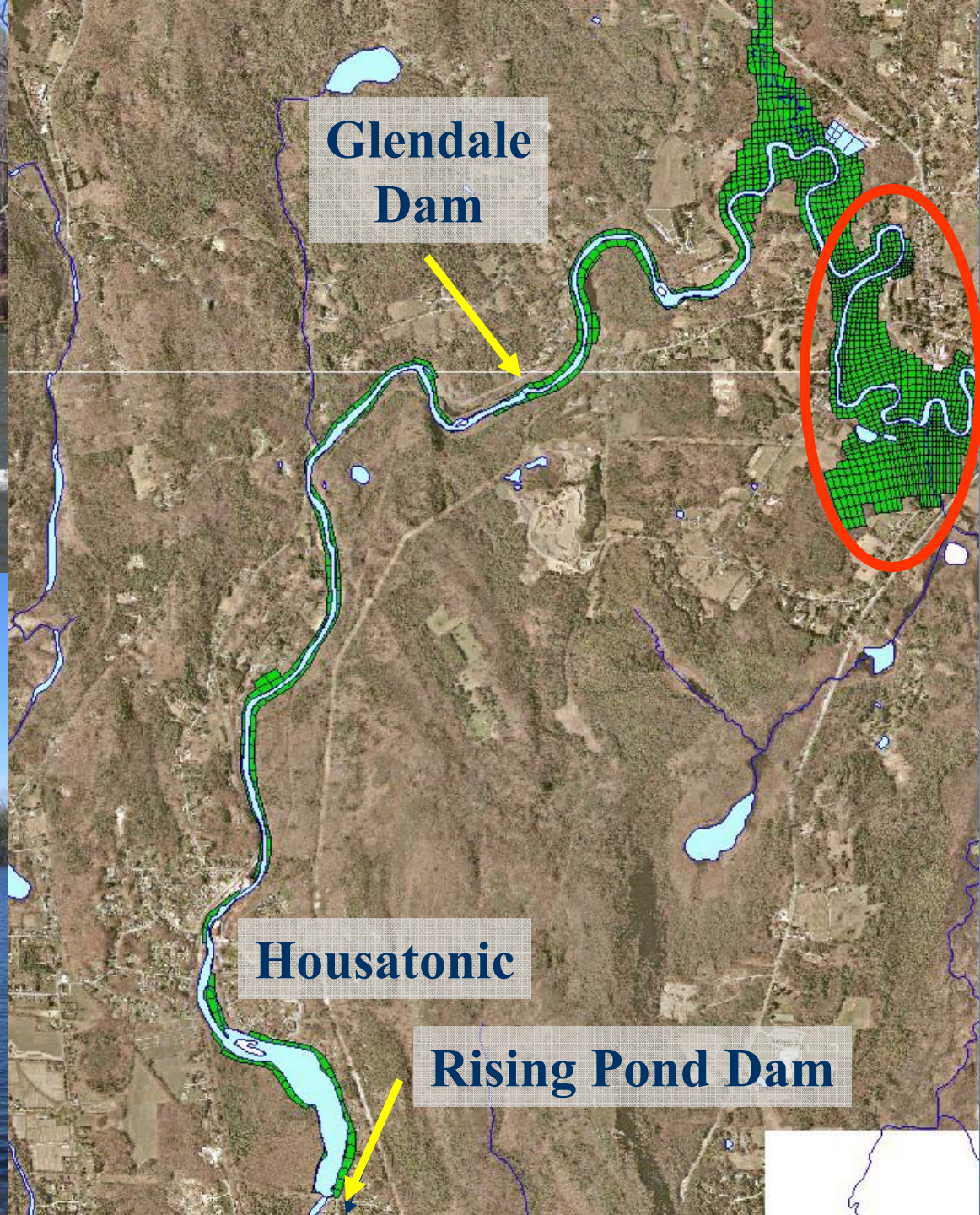


Mass Pike

Stockbridge

**Willow Mill
Dam**

Route 102

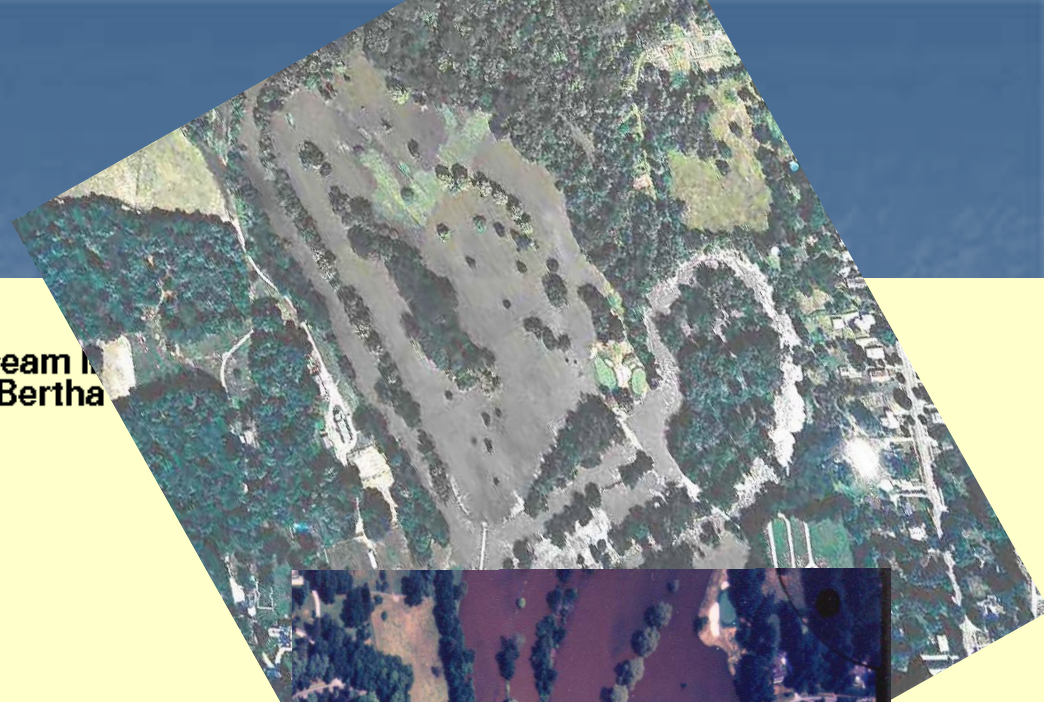
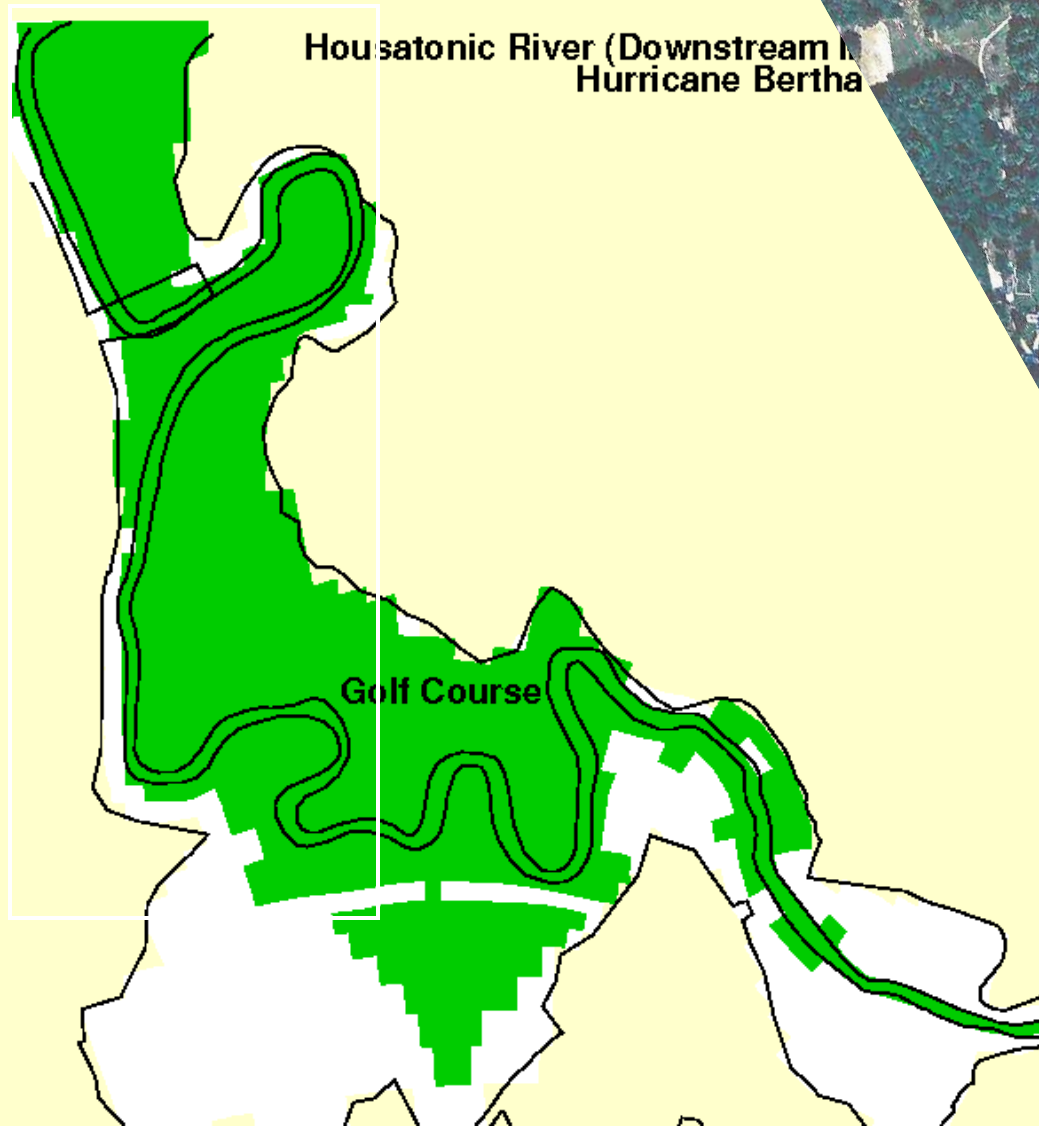


**Glendale
Dam**

Housatonic

Rising Pond Dam

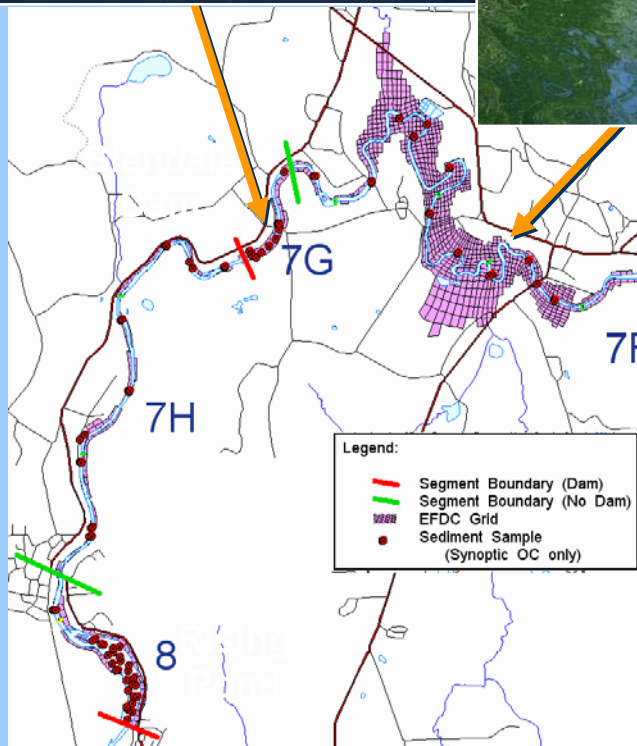
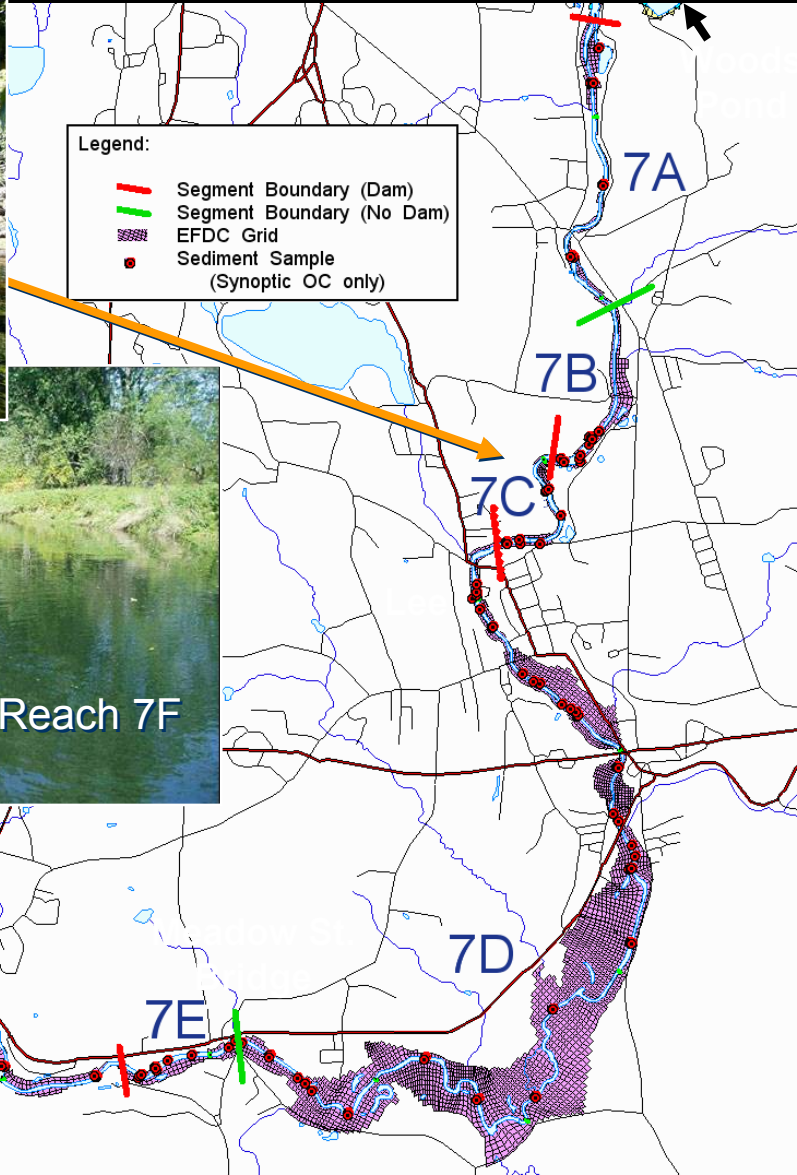
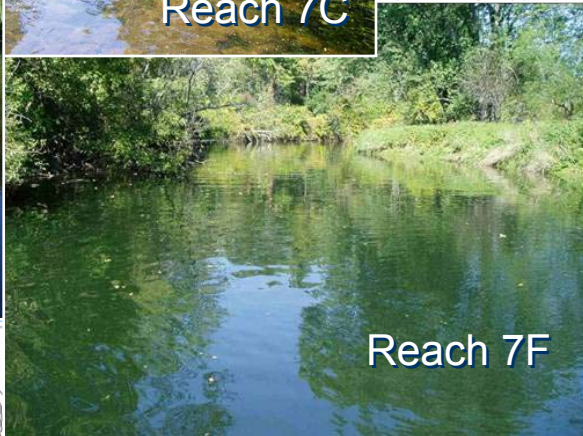
Bertha



4239.00

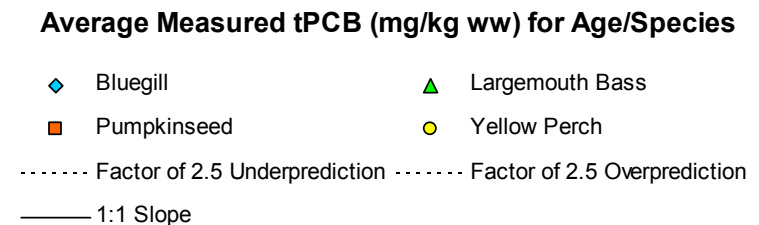
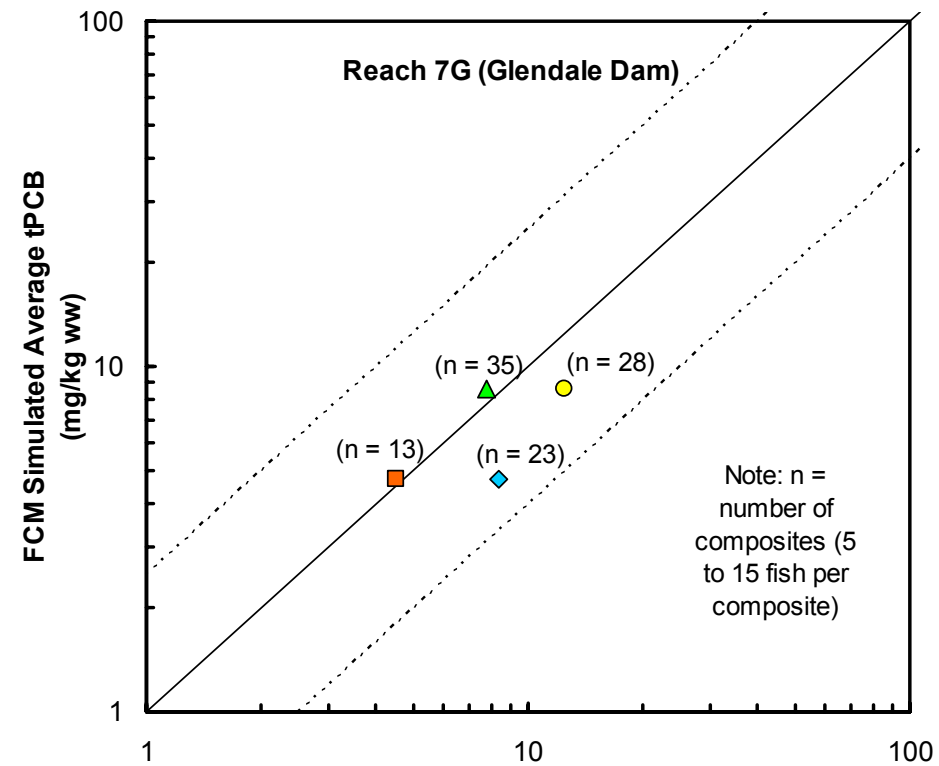
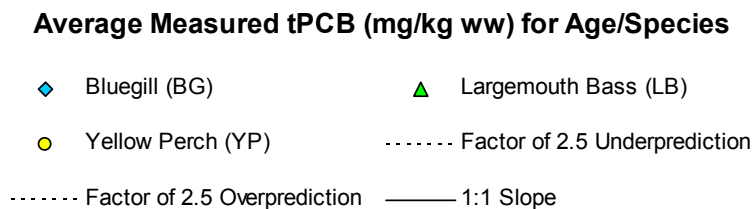
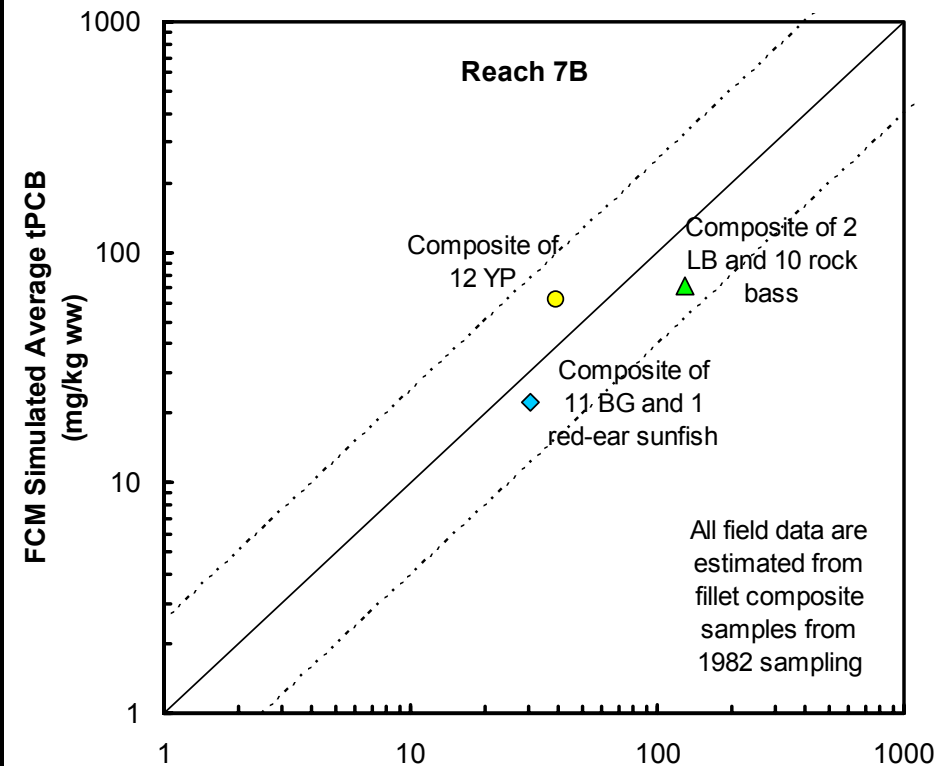
FCM Downstream Modeling

- New model domain (Reach 7/8):
 - Different PCB concentrations
 - More variable PCB concentrations
- Currently data-driven; will be linked (in progress)
- FCM model not calibrated; only customized to represent downstream habitat

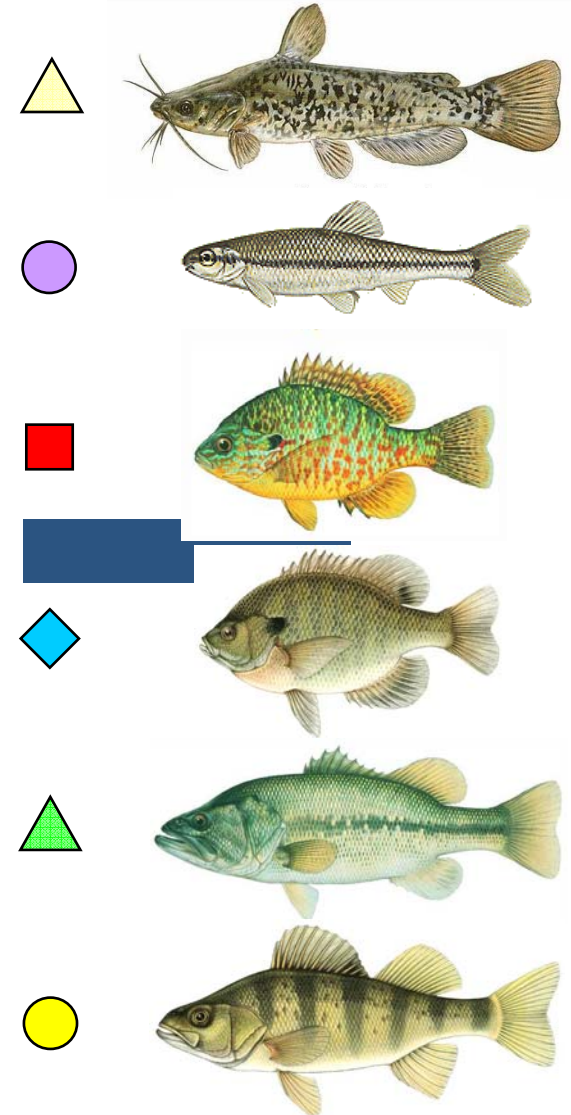
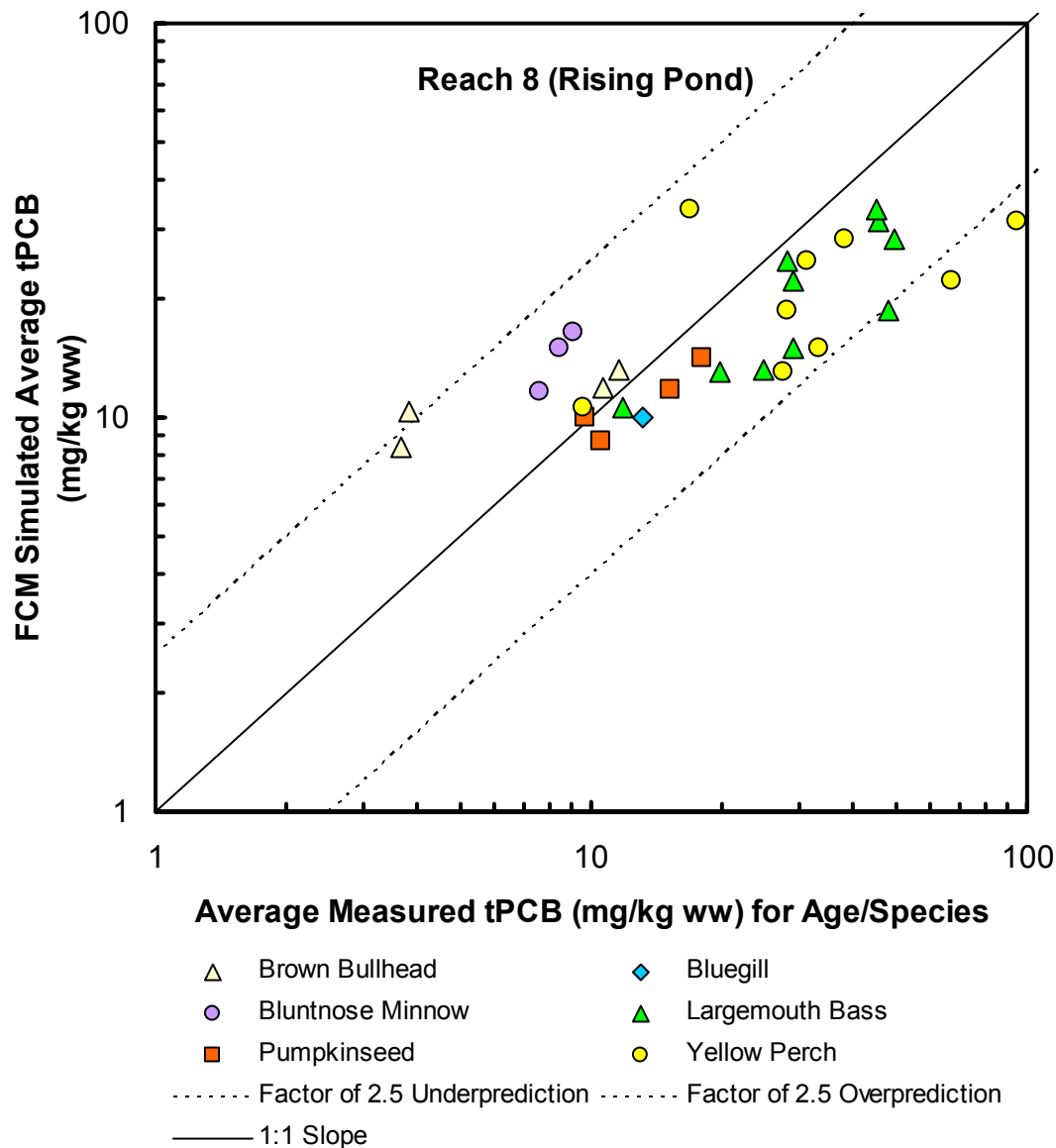


Downstream Model Domain

Reach 7 Validation (Data-Based)



Rising Pond Validation (Data-Based)



A scenic landscape featuring a calm river in the foreground, reflecting the sky and surrounding trees. In the middle ground, a white, two-story house with a dark roof is nestled among trees with autumn foliage. The background is a large, forested hill with a mix of green and yellow leaves. The text "Example Runs" is overlaid in the center of the image.

Example Runs